ABSTRACT

The Absorption Line Spectra of Herbig-Haro Object Exciting Stars at 1.6 and 2 Microns

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We observed six Herbig Haro object exciting stars with the IRTFCSHELL cryogenic echelle spectrometer at 1.6 and 2 microns with the intent of determining effective temperatures and vsini's from the absorption lines in these spectral regions. In all of these objects, the photospheric absorption lines were either very weak or undetectable with our modest S/N high spectral resolution data. Using this information, constraints can be placed on the veiling continuum present at these wavelengths for embedded low-mass YSO's.